

**REPLACEMENT SHEET****Fig. 3**

e3-2-2	(SEQ ID NO: 16)	LDTTNVSGPMSS
e3-2-3	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-4	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-5	(SEQ ID NO: 17)	SYRLPVYLHALL
e3-2-6	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-7	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-8	(SEQ ID NO: 18)	SDPNQDWRRTTP
e3-2-9	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-10	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-12	(SEQ ID NO: 19)	LPSQLLSQVNL
e3-2-13	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-14	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-15	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-16	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-17	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-18	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-19	(SEQ ID NO: 20)	LCANNTTSVHPP
e3-2-20	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-21	(SEQ ID NO: 21)	MQMEGKPTLTLR
e3-2-22	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-23	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-25	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-29	(SEQ ID NO: 22)	STLKNPINLLAN
e3-2-30	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-31	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-33	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-34	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-36	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-39	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-40	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-41	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-42	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-43	(SEQ ID NO: 23)	SCHVWYDSCSSP
e3-2-45	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-46	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-47	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-48	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-49	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-50	(SEQ ID NO: 22)	STLKNPINLLAN
e3-2-51	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-52	(SEQ ID NO: 3)	RKLPDAPGMHTW
e3-2-55	(SEQ ID NO: 24)	QDMIRTSALMLQ
e3-2-56	(SEQ ID NO: 3)	RKLPDAPGMHTW

**REPLACEMENT SHEET****Fig. 4**

e3-4-2	(SEQ ID NO: 25)	CTSPTSVD
e3-4-3	(SEQ ID NO: 26)	CTPSPHQGC
e3-4-4	(SEQ ID NO: 27)	CHTAPLPRC
e3-4-5	(SEQ ID NO: 26)	CTPSPHQGC
e3-4-6	(SEQ ID NO: 28)	CHGATPQNC
e3-4-7	(SEQ ID NO: 29)	CSGHNPTH
e3-4-8	(SEQ ID NO: 25)	CTSPTSVD
e3-4-9	(SEQ ID NO: 26)	CTPSPHQGC
e3-4-11	(SEQ ID NO: 30)	CPMWQAQQC
e3-4-12	(SEQ ID NO: 31)	CGVYSMSHC
e3-4-13	(SEQ ID NO: 32)	CDMLTPRSC
e3-4-15	(SEQ ID NO: 25)	CTSPTSVD
e3-4-16	(SEQ ID NO: 33)	CLRLQSQDC
e3-4-17	(SEQ ID NO: 34)	CQITWHHTC
e3-4-19	(SEQ ID NO: 26)	CTPSPHQGC
e3-4-21	(SEQ ID NO: 35)	CSAHHHDKC
e3-4-22	(SEQ ID NO: 26)	CTPSPHQGC
e3-4-23	(SEQ ID NO: 36)	CMTKNPLNC
e3-4-24	(SEQ ID NO: 26)	CTPSPHQGC
e3-4-25	(SEQ ID NO: 26)	CTPSPHQGC
e3-4-26	(SEQ ID NO: 26)	CTPSPHQGC
e3-4-27	(SEQ ID NO: 25)	CTSPTSVD
e3-4-28	(SEQ ID NO: 36)	CMTKNPLNC
e3-4-29	(SEQ ID NO: 37)	CKTSLPTTC
e3-4-30	(SEQ ID NO: 38)	CVSTYWKTC
e3-4-31	(SEQ ID NO: 25)	CTSPTSVD
e3-4-32	(SEQ ID NO: 25)	CTSPTSVD

**REPLACEMENT SHEET****Fig. 8**

R1A (SEQ ID NO: 4):	AGGCAGCTTCGCAGAGTGAGAATAG
K2A (SEQ ID NO: 5):	CATCAGGCAGCGCCCGAGAGTGAG
L3A (SEQ ID NO: 6):	GGAGCATCAGGCGCCTTCCGAGAG
P4A (SEQ ID NO: 7):	CCGGGAGCATCAGCCAGCTTCCGAG
D5A (SEQ ID NO: 8):	ATCCCGGGAGCAGCAGGCAGCTTC
P7A (SEQ ID NO: 9):	GTATGCATCCCGGCAGCATCAGGCA
G8A (SEQ ID NO: 10):	AGTATGCATCGCGGGAGCATCAGG
M9A (SEQ ID NO: 11):	CCCCAAGTATGCGCCCCGGGAGCATC
H10A (SEQ ID NO: 12):	TCCACCCCAAGTAGCCATCCCGGGA
T11A (SEQ ID NO: 13):	TCCACCCCAAGCATGCATCCCGG
W12A (SEQ ID NO: 14):	AACCTCCACCCGCAGTATGCATC
Δ7-12F (SEQ ID NO: 51):	GGAGGATCCGCCGAAACTGTTGAAAGTTG
Δ7-12R (SEQ ID NO: 52):	GGGGGATCCTCCACCAGCATCAGGCAGCTTCCGAG
K2AΔ7 -12R (SEQ ID NO: 53):	GGGGGATCCTCCACCAGCATCAGGCAGCGCCCGAG
Ala insert (SEQ ID NO: 54):	AGCATCAGGCAGCTTCCGTGCAGAGTGAGAATAGAAAGG